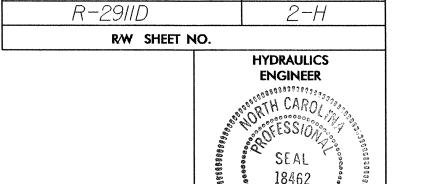
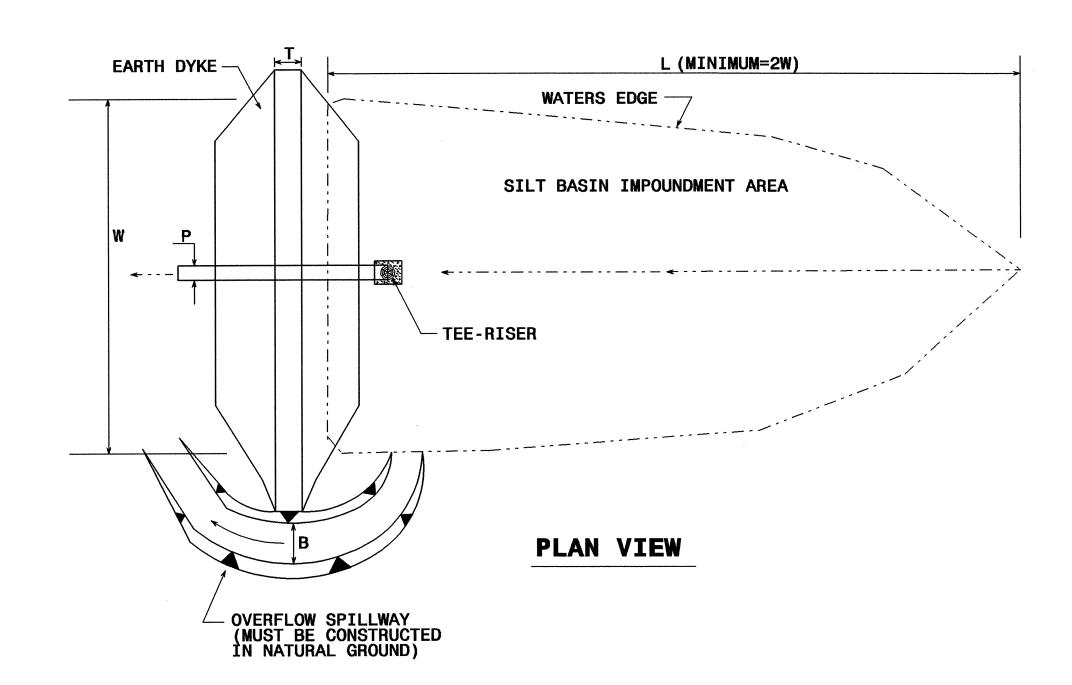
SPECIAL DETAIL FOR TYPE "A" SILT BASIN

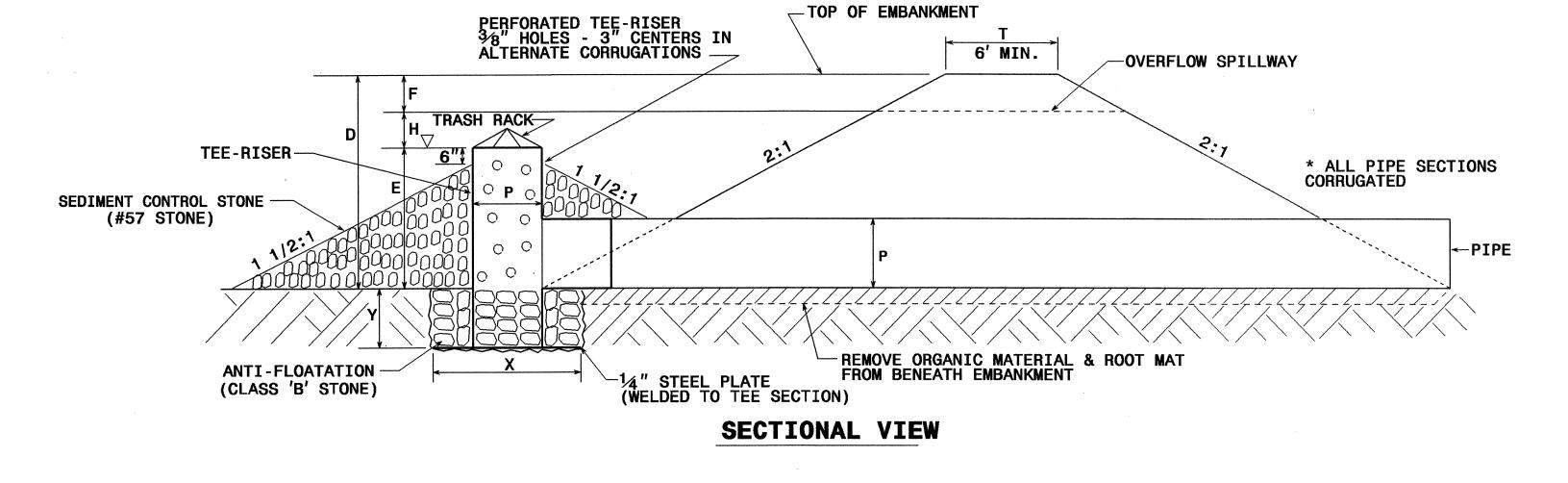
STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS RALEIGH, N.C.



SHEET NO.

PROJECT REFERENCE NO.





- NOTES: 1. SURFACE AREA AND VOLUME ARE TO BE SITE SPECIFIC.
 2. CLEAN OUT SEDIMENT WHEN STORAGE VOLUME REACHES
 - 50% OF MIN. STORAGE VOLUME.
 - 3. MINIMUM SURFACE AREA AND MINIMUM VOLUME ARE MEASURED BELOW THE TOP OF PRINCIPLE SPILLWAY (TOP OF RISER).
 4. ALL DIMENSIONS OF BASIN WILL NOT REQUIRE CONSTRUCTION
 - TO NEAT LINES.

 5. THE EARTH DYKE MAY BE CONSTRUCTED ALONG ONE OR MORE SIDES.

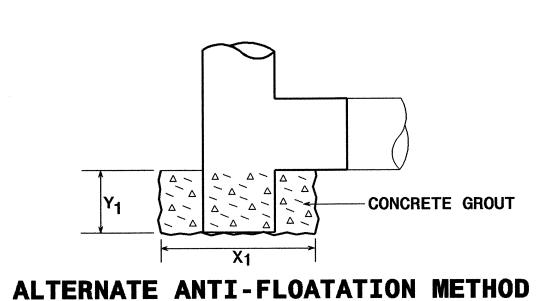
 EXCAVATION MAY BE REQUIRED TO PROVIDE MINIMUM SURFACE

 AREA AND/OR MINIMUM STORAGE VOLUME.
 - 6. THE DYKE SHALL BE CONSTRUCTED OF MATERIAL SUITABLE FOR AND MEETING ROADWAY EMBANKMENT SPECIFICATIONS.
 - 7. TO FACILITATE DETERMINATION OF MAINTENANCE CLEANOUT REQUIREMENT A MARKER SHOULD BE PLACED IN THE BASIN INDICATING THE 50% VOLUME LEVEL.

	TOP OF EMBANKMENT
F H TRASH RACK	2:, F
TEE-RISER 6" 0 0 0 0 77	OVERFLOW SPILLWAY (MUST BE CONSTRUCTED IN NATURAL GROUND)
SEDIMENT CONTROL STONE 00000 P 00000 0000 (#57 STONE)	
Y SOURCE PIP	E
ANTI-FLOATATION X (CLASS 'B' STONE) 14" STEEL PLAT (WELDED TO TEE	E SECTION)
PROFILE VIEW (WELDED TO TEE	. SLOTION;

BASIN #	APPROX. STA.	Р	Н	T (min)	D*	E	F	B (min)	X (min)	Y (min)	X1 (min)	.11	ARFA	STORAGE VOLUME (min)	ANTI-FLOTATION (CLASS B) STONE
		in.	ft.	ft.	ft.	ft.	ft.	ft.	ft.	ft.	ft.	ft.	ft. ²	Yd. ³	TON
1	248+00	18	1.0	6.0	7.0	4.5	1.5	3.0	3.5	1.0	3.5	1.0	2,485	8,000	0.7





#4 BAR LAYOUTS SHOWN IS SUGGESTED: HOWEVER, OTHER LAYOUTS MAY BE USED PROVIDED OPENINGS ARE APPROX. 64" SQ. IN AREA

CORRUGATED STEEL PERFORATED PIPE RISER

RISER DETAIL